

MYCOTAXON

Volume 115, pp. 505–506

January–March 2011

DOI: 10.5248/115.505

***Pucciniastrum enkianthi* nom. nov.,
a replacement name for *P. hakkodaense***YING-MEI LIANG¹ & MAKOTO KAKISHIMA^{2*}¹*College of Environmental Science and Engineering, Beijing Forestry University,
No.35, Tsinghua Eastern Road, Haidan District, Beijing 100083, China*²*Graduate School of Life and Environmental Sciences, University of Tsukuba,
Tsukuba, Ibaraki 305-8572, Japan** CORRESPONDENCE TO: kaki@sakura.cc.tsukuba.ac.jp

ABSTRACT *Pucciniastrum hakkodaense* (a rust pathogen of *Enkianthus*) is an illegitimate later homonym of *P. hakkodense* (a rust pathogen of *Leucothoe*). Hence, the replacement name *Pucciniastrum enkianthi* is proposed.

KEY WORDS – *Naohidemyces*, nomen novum, nomenclature, *Thekopsora*

***Pucciniastrum enkianthi* Y.M. Liang & Kakish., nom. nov.**

MYCOBANK MB519279

= *Pucciniastrum hakkodaense* Y.M. Liang & Kakish., Mycotaxon 92: 372. 2005,
nom. illegit. (non *P. hakkodense* (S. Ito & Hirats. f.) Jørst. 1958).

ETYMOLOGY: referring to the host genus *Enkianthus*.

Pucciniastrum hakkodaense Y.M. Liang & Kakish. was described as a new species based on specimens on *Enkianthus campanulatus* (Miq.) G. Nicholson (*Ericaceae*) collected in Japan (Liang et al. 2005). However, following ICBN Art. 53.3 (McNeill et al. 2006), this name must be regarded as an illegitimate later homonym of *Pucciniastrum hakkodense* (S. Ito & Hirats. f.) Jørst. 1958 (= *Thekopsora hakkodensis* S. Ito & Hirats. f. 1927).

Thekopsora hakkodensis was described based on a specimen on *Leucothoe grayana* Maxim. (*Ericaceae*) from Japan (Hiratsuka 1927, 1936). Although Jørstad (1958) transferred the name to *Pucciniastrum*, Hiratsuka (1958) and Hiratsuka et al. (1992) continued to treat this species under its original name, *T. hakkodensis*. Subsequently, Sato et al. (1993) established a new genus *Naohidemyces* and treated *T. hakkodensis* as a synonym of the type species, “*Naohidemyces vaccinii*” S. Sato et al. (an invalidly published combination

based on the illegitimate teleomorph name *Melampsora vaccinii* G. Winter 1881, non (Alb. & Schwein.) G. Winter 1880). The correct name for this taxon is *Naohidemycetes vacciniorum* (J. Schröt.) Spooner (Spooner & Butterfill 1999) based on the earliest legitimate teleomorph name, *Melampsora vacciniorum* J. Schröt. 1887.

Pucciniastrum enkianthi (\equiv *P. hakkodaense*) is morphologically quite different from *Naohidemycetes vacciniorum* ($=$ *P. hakkodense*, *T. hakkodensis*). *Pucciniastrum enkianthi* produces its telia underneath the epidermis of the host whereas *N. vacciniorum* produces teliospores within epidermal cells of the host. In addition, their uredinial/telial hosts are not closely related though they are in the same family, *Ericaceae*: *P. enkianthi* on *Enkianthus*; and *N. vacciniorum* on *Hugeria*, *Leucothoe*, *Oxycoccus*, and *Vaccinium* (Sato et al. 1993, Liang et al. 2005).

Acknowledgements

We gratefully acknowledge Dr Shaun Pennycook (Landcare Research, Auckland, New Zealand), Dr Paul M. Kirk (CABI-UK, Egham, UK), and Dr. C. M. Denchev (Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, Bulgaria) for their kind suggestions and critically reading the manuscript.

Literature cited

- Hiratsuka N. 1927. Studies on the *Melampsoraceae* of Japan. Jour. Facul. Agric. Hokkaido Imp. Univ. 21: 1–41.
- Hiratsuka N. 1936. A monograph of the *Pucciniastreae*. Mem. Tottori Agric. Coll. 4: 1–374.
- Hiratsuka N. 1958. Revision of taxonomy of the *Pucciniastreae*. Mem. Fac. Agric. Tokyo Univ. Educ. 5: 1–167.
- Hiratsuka N, Sato S, Katsuya K, Kakishima M, Hiratsuka Y, Kaneko S, Ono Y, Sato T, Harada Y, Hiratsuka T, Nakayama K. 1992. Rust flora of Japan. Tsukuba Tsupankai, Tsukuba.
- Jørstad I. 1958. Nomenclature notes, chiefly on *Uredinales*. Nytt Mag. Bot. 6: 135–140.
- Liang Y-M, Tian C-M, Hiratsuka K, Kakishima M. 2005. A new species of *Pucciniastrum* on *Enkianthus campanulatus* from Japan. Mycotaxon 92: 371–376.
- McNeill J, Barrie FR, Burdet HM, Demoulin V, Hawksworth DL, Marhold K, Nicolson DH, Prado J, Silva PC, Skog JE, Wiersema J, Turland NJ. 2006. International Code of Botanical Nomenclature (Vienna Code). Adopted by the Seventeenth International Botanical Congress, Vienna, Austria, July 2005. Regnum Vegetabile 146. 568 p.
- Sato S, Katsuya K, Hiratsuka Y. 1993. Morphology, taxonomy and nomenclature of *Tsuga-Ericaceae* rusts. Trans. Mycol. Soc. Japan 34: 47–62.
- Spooner BM, Butterfill G. 1999. Additions to the *Uredinales* and *Ustilaginales* of the Azores. Vieraea 27: 173–182.